

Seventh Semester B.E. Semester End Examination, Dec. /Jan. 2019-20

PROJECT MANAGEMENT

Time: 3 Hours

Max. Marks: 100

Instructions: 1. Answer any Five full questions choosing minimum one full question from each unit.

UNIT - I

L CO PO M

- 1 a. Define Project and explain the characteristic features of project. (1) (1) (1) (10)
- b. Explain categories of project with flow diagram. (1) (1) (1) (05)
- c. List the tools and techniques of project management. (1) (1) (1) (05)

OR

- 2 a. Discuss each phase project life cycle briefly with key issues involved in it. (2) (1) (1) (10)
- b. Discuss the areas to be examined for cement plant during the definition phase of project life cycle. (2) (1) (1) (10)

UNIT - II

L CO PO M

- 3 a. Explain the feasibility report for establishing new project considering Technical study. (2) (2) (1) (10)
- b. Discuss the types of estimates that are made during life - cycle of a project. How does the level of accuracy increases progressively. (2) (2) (1) (10)

OR

- 4 a. Discuss the methods of evaluation of project profitability. (2) (2) (1) (10)
- b. List and explain National and International financial institutions which offer support for project finance. (2) (2) (1) (10)

UNIT - III

L CO PO M

- 5 a. Explain in brief 3 R's of contracting. (2) (3) (1) (10)
- b. Explain with block diagram a project origination with project manager as staff assisting to chief executive. (2) (3) (1) (10)

OR

- 6 a. Explain matrix structure applied to project origination with flow diagram. (2) (3) (1) (10)
- b. Describe in brief the process of Tendering and selection of contractor. (2) (3) (1) (10)

UNIT - IV

L CO PO M

- 7 a. Discuss the guidelines to be followed for drawing the network diagram. Explain the Fulkerson's rule for numbering the events. (2) (4) (1) (10)
- b. Explain the techniques used for scheduling a project. (2) (4) (1) (10)

Note: L (Level), CO (Course Outcome), PO (Programme Outcome), M (Marks)

OR

- 8 a. Discuss the importance of Bar chart in scheduling with an example.

(2) (4) (1) (10)

- b. Discuss the various methods of resource allocation.

(2) (4) (1) (10)

UNIT -V

L CO PO M

- 9 a. Explain Construction Management (CM) company with help of block diagram.

(2) (5) (1) (10)

- b. Explain briefly with neat sketch the project management environment in India.

(2) (5) (1) (10)

OR

- 10 a. Discuss the role of MIS in project control.

(2) (5) (1) (10)

- b. Discuss the different performance indicators used to measure project management.

(2) (5) (1) (10)

Note: L (Level), CO (Course Outcome), PO (Programme Outcome), M (Marks)

Seventh Semester B.E. Semester End Examination, Dec/Jan 2018-19
PROJECT MANAGEMENT

Time: 3 Hours

Max. Marks: 100

- Instructions:**
1. **UNIT I and UNIT II are compulsory.**
 2. **Answer any one full question from remaining units.**
 3. **Missing data if any may be assumed and clearly mentioned.**

UNIT - I

- | | L | CO | PO | M |
|--|-----|-----|-----|------|
| 1 a. Explain in detail the characteristic of project management. | (2) | (1) | (1) | (10) |
| b. Explain project management as a profession. | (2) | (1) | (1) | (06) |
| c. List any 4 roles and responsibilities of a project manager. | (1) | (1) | (1) | (04) |

UNIT - II

- | | L | CO | PO | M |
|--|-----|-----|-----|------|
| 2 a. Explain the procedure of the preparation of feasibility report. | (2) | (3) | (1) | (10) |
| b. With a graphical representation explain the types of cost estimates of a project. | (2) | (2) | (1) | (10) |

UNIT - III

- | | L | CO | PO | M |
|--|-----|-----|-----|------|
| 3 a. With a neat block diagram explain task force management. | (2) | (2) | (1) | (10) |
| b. Explain responsibility factor with respect to '3R' contracting. | (2) | (2) | (1) | (10) |

OR

- | | | | | |
|--|-----|-----|-----|------|
| 4 a. With a suitable example explain total projectized organization. | (2) | (2) | (1) | (10) |
| b. Define tender. Explain team building for the project. | (1) | (1) | (1) | (10) |

UNIT - IV

- | | L | CO | PO | M |
|--|-----|-----|-----|------|
| 5 a. Define scheduling. Explain the different scheduling techniques. | (2) | (4) | (1) | (10) |
| b. With an illustration explain bar chart. | (2) | (4) | (1) | (06) |
| c. Differentiate between PERT and CPM. | (3) | (4) | (1) | (04) |

OR

- | | | | | |
|---|-----|-----|-----|------|
| 6 a. List and explain the resource allocation methods. | (2) | (4) | (1) | (08) |
| b. Draw the network for the following set of activity times.
Determine TE and TL values for all the activities | | | | |

Activity	1-2	1-3	1-6	2-4	3-6	4-7	5-7	6-8	7-9	9-10
Time in weeks	10	6	8	12	4	5	8	16	3	8

(3) (4) (2) (12)

Note: L (Level), CO (Course Outcome), PO (Programme Outcome), M (Marks)

UNIT -V

7 a. Explain in brief the concept of project direction.

L CO PO

(2) (5) (1) (1)

b. Discuss the concept of project management environment.

(3) (5) (1) (1)

OR

8 a. Discuss the role of MIS in project control.

(3) (5) (1) (1)

b. Explain "project management through CM (Construction Management) company", with a case study.

(2) (5) (1) (1)

Seventh Semester B.E. Makeup Examination, January 2019

PROJECT MANAGEMENT

Max. Marks: 100

3 Hours

- Instructions:
1. UNIT I and UNIT II are compulsory.
 2. Answer any one full question from remaining units. (Unit III, IV & V)
 3. Missing data if any may be assumed and clearly mentioned.

UNIT - I

- a. Define project. With a neat sketch explain the phases of project life cycle. (2) (1) (1) (12)
- b. Explain various categories of a project with a neat block diagram. (2) (1) (1) (08)

UNIT - II

- a. Explain the steps involved in project planning. (2) (3) (1) (10)
- b. Explain the method of evaluating profitability in a project. (2) (2) (1) (10)

UNIT - III

- a. With a neat block diagram explain project manager as a staff assistant to the chief executive. (2) (2) (1) (10)
- b. Explain the 3 R's of contracting. (2) (2) (1) (10)

OR

- a. Explain matrix organization with a neat block diagram. (2) (2) (1) (15)
- b. List the authorities to be acquired by a project manager in managing a project. (1) (1) (1) (05)

UNIT - IV

- a. List and explain the resource allocation method. (2) (4) (1) (10)
- b. Explain the tools and techniques used in project management. (2) (4) (1) (10)

OR

- 6 a. Construct the network for the following data given.

Activity	A	A	B	C	A	C	D	E	F	G	H	I
Immediate predecessor	B	C	D	E	F	F	G	G	H	I	I	J

- b. Explain different scheduling techniques. (3) (4) (5) (08)

UNIT - V

- a. Explain the concept of project coordination. (2) (4) (1) (12)
- b. With a neat block diagram explain the project execution of a DM company. (2) (5) (1) (10)

Note: L (Level), CO (Course Outcome), PO (Programme Outcome), M (Marks)

OR

- 8 a. Discuss the various performance indicators used in project management. (3) (5) (1) (10)
- b. Explain the services that a CM (Construction Management) team provides during the construction phase. Briefly explain each of them. (2) (5) (1) (10)

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